

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

002.00250 (DUNY/P28395US)

Application Number

10/517,225

Applicant(s)

Alessi et al.

Filing Date

June 9, 2003

Group Art Unit

1754

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,854,992	12/29/1998	Shakhnovich et al.			
	2	6,387,641	05/14/2002	Bellon et al.			

## U.S. PATENT APPLICATION PUBLICATIONS

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## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	3	WO 98/41638	09/24/1998	PCT				
	4	WO 00/56864	09/28/2000	PCT				
	5	WO 00/70030	11/23/2000	PCT				
	6	EP 1 096 014	05/02/2001	Europe				
	7	WO 01/35316	05/17/2001	PCT				

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

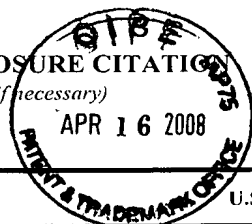

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	8	WO 01/44497	06/21/2001	PCT				
	9	WO 01/71347	09/27/2001	PCT				
	10	WO 02/22793	03/21/2002	PCT				

## OTHER DOCUMENTS

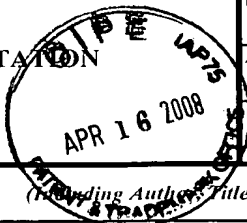
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
11	Biondi et al. (2002) EMBO J. 21: 4219-4228
12	Alessi & Cohen (1998) Curr. Opin. Genetics. Develop. 8: 55-62
13	Alessi et al. (1997) Curr. Biol. 7: 261-269
14	Alessi et al. (1998) Curr. Biol. 8: 69-81
15	Alessi et al. (1997) Curr. Biol. 7: 776-789
16	Alessi (2001) Biochem. Soc. Trans. 29: 1-14
17	Bain et al. (2003) Biochem. J. 371: 199-204
18	Balendran et al. (1999) Curr. Biol. 9: 393-404
19	Balendran et al. (1999) J. Biol. Chem. 274: 37400-37406
20	Balendran et al. (2000) J. Biol. Chem. 275: 20806-20813
21	Battistutta et al. (2000) J. Biol. Chem. 275: 29618-29622

EXAMINER

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1754

\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

22

Bellon et al. (1999) Struct. Fold. Des. 7: 1057-1065

23

Biondi and Nebreda (2003) Biochem. J. 372: 1-13

24

Biondi et al. (2000) EMBO J. 19: 979-988

25

Biondi et al. (2001) EMBO J. 20: 4380-4390

26

Brazil and Hemmings (2001) Trends Biochem. Sci. 26: 657-664

27

Casamayor et al. (1999) Curr. Biol. 9: 186-197

28

Cheng et al. (1998) Proc. Natl. Acad. Sci. USA 95: 9849-9854

29

Chou et al. (1998) Curr. Biol. 8: 1069-1077

30

Couldwell et al.(1994) FEBS Lett. 345: 43-46

31

Cross et al. (1995) Nature 378: 785-789

32

Currie et al. (1999) Biochem. J. 337: 575-583

33

Davies et al. (2000) Biochem. J. 351: 95-105

EXAMINER

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**1754**

\*EXAMINER  
INITIAL

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

34

De Groot et al. (1998) Proteins 31: 116-127

35

Dutil et al. (1998) Curr. Biol. 8: 1366-1375

36

Etchebehere et al. (1997) Eur. J. Biochem. 248: 820-826

37

Frodin and Gammeltoft (1999) Mol. Cell. Endocrinol. 151: 65-77

38

Frodin et al. (2000) EMBO J. 19: 2924-2934

39

GenBank Accession No. Y15056

40

GenBank Accession No. P31751

41

GenBank Accession No. AF135794

42

GenBank Accession No. AAD41091

43

GenBank Accession No. AF169034

44

GenBank Accession No. AF169035

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INITIAL

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

45

GenBank Accession No. 4506067

46

GenBank Accession No. 4506069

47

GenBank Accession No. P05127

48

GenBank Accession No. P05129

49

GenBank Accession No. 5453970

50

GenBank Accession No. 4506079

51

GenBank Accession No. 4506071

52

GenBank Accession No. AAC50209

53

GenBank Accession No. AAC50208

54

GenBank Accession No. AAA36410

55

GenBank Accession No. 4506739

56

GenBank Accession No.

EXAMINER

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

57

GenBank Accession No. P51812

58

GenBank Accession No. CAA59427

59

GenBank Accession No. AAC31171

60

GenBank Accession No. AAC67395

61

GenBank Accession No. AF017995

62

Gescher (2000) Crit. Rev. Oncol. Hematol. 34: 127-133

63

Graves et al. (2000) J. Biol. Chem. 275: 5600-5605

64

Husen and Kuriyan (2002) Cell 109: 275-282

65

Johnson and Pinto (2002) Aust. J. Chem. 55: 13-25

66

Johnson et al. (1996) Cell 85: 149-158

67

Johnson et al. (2001) Chem. Rev. 101: 2243-2270

EXAMINER

DATE CONSIDERED

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Group Art Unit

1754

\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

68

Knighton et al. (1991) Science 253: 407-414

69

Kobayashi et al. (1999) Biochem. J. 339: 319-328

70

Lamers, et al. (1999) J. Mol. Biol. 285: 713-725

71

Lang and Cohen (2001) Sci. STKE RE17

72

Lawrie et al. (1997) Nat. Struct. Biol. 4: 796-801

73

LeGood et al. (1998) Science 281: 2042-2045

74

Leslie and Downes (2002) Cell. Signal. 14: 285-295

75

Narayana et al. (1997) Structure 5: 921-935

76

Narayana et al. (1999) Biochemistry 38: 2367-2376

77

Navaza (1994) Acta Cryst. A50: 157-163

78

Owen et al. (1995) Structure, 3, 467-482

79

Perrakis et al. (1999) Nature Struct. Biol. 6: 458-463

EXAMINER

DATE CONSIDERED

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Group Art Unit

**1754****\*EXAMINER****INITIAL****OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

80

**Prade et al. (1997) Structure 5: 1627-1637**

81

**Pullen et al. (1998) Science 279: 707-710**

82

**Ruegg and Burgess (1989) Trends Pharmacol. Sci. 10: 218-220**

83

**Sato et al. (2002) Oncogene 21: 1727-1738**

84

**Scheid and Woodgett (2001) Nat. Rev. Mol. Cell Biol. 2:760-768**

85

**Senderowicz (2002) Oncologist 7(3): 9-12**

86

**Smith et al. (1997) Trends Biochem. Sci. 22: 444-446**

87

**Stephens et al. (1998) Science 279: 710-714**

88

**Stokoe et al. (1997) Science 277: 567-570**

89

**Takahashi et al. (1987) J. Antibiot. 40: 1782-1784**

90

**Takahashi et al. (1989) J. Antibiot. 42: 571-576****EXAMINER****DATE CONSIDERED**

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\*EXAMINER  
INITIAL

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

91

**Taylor and Radzio-Andzelm (1994) Structure 2: 345-355**

92

**Taylor et al. (1992) Annu. Rev. Cell Biol. 8: 429-462**

93

**ter Haar et al. (2001) Nat. Struct. Biol. 8: 593-596**

94

**Tian et al. (2002) EMBO J. 21: 1327-1338**

95

**Toker and Newton (2000) Cell 103: 185-188**

96

**Tsai et al. (1999) J. Mol. Biol. 290: 253-266**

97

**van Aalten et al. (1997) Biophys. J. 73: 2891-2896**

98

**van Aalten et al. (2000) Biochemistry 39: 10082-10089**

99

**Vanhaesebroeck and Alessi (2000) Biochem. J. 346: 561-576**

100

**Volarevic and Thomas (2001) Prog. Nucl. Acid Res. Mol. Biol. 65: 101-127**

101

**Wang et al. (1997) Proc. Natl. Acad. Sci. USA 94: 2327-2332**

102

**Webster et al. (1993) Mol. Cell. Biol. 13: 2031-2040**

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	103	WO 00/35946	06/22/2000	PCT				
	104	WO 00/36135	06/22/2000	PCT				

## **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	105	Yang et al. (2002) Nat. Struct. Biol. 9: 940-944
	106	Zhai et al. (1995) J. Biol. Chem. 270: 12717-12724

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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

107

**Zhang et al. (1994) Nature 367: 704-711**

108

**Zhao et al. (2002) J. Biol. Chem. 277: 46609-46615**

109

**Zheng et al. (1993) Protein Sci. 2: 1559-1573**

110

**Zhu et al. (1999) Struct. Fold. Des. 7: 651-661**

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